

**What Is Claimed Is:**

1           1.    A fixing assembly for connecting and fixing a hard  
2 disk drive to an electronic device, comprising:  
3           a mounting bracket for mounting a hard disk drive; and  
4           a cover flexibly connected to the mounting bracket to  
5           engage the electronic device.

1           2.    The fixing assembly as claimed in claim 1, wherein the  
2 mounting bracket comprises a first engaging portion, and the  
3 cover comprises a second engaging portion flexibly connected to  
4 the first engaging portion.

1           3.    The fixing assembly as claimed in claim 2, wherein the  
2 first engaging portion is a hook and the second engaging portion  
3 is a groove, and the hook engages the groove to prevent the hard  
4 drive from moving along an X axis.

1           4.    The fixing assembly as claimed in claim 3, wherein the  
2 width of the groove exceeds the width of the hook such that the  
3 hard disk drive can move a predetermined distance along a Y axis.

1           5.    The fixing assembly as claimed in claim 2, wherein the  
2 mounting bracket further comprises a first protrusion and the  
3 cover further comprises a second protrusion, and the second  
4 protrusion holds the first protrusion to limit the motion of the  
5 hard drive.

1           6.    The fixing assembly as claimed in claim 5, wherein the  
2 first protrusion is a nose and the second protrusion is an angled  
3 lock, the angled lock holds the nose to limit the motion of the  
4 hard drive along a Z axis, and a gap is formed between the nose

5 and the angled lock such that the hard drive can move a  
6 predetermined distance along the Z axis.

1 7. The fixing assembly as claimed in claim 1, further  
2 comprising an elastic member disposed between the mounting  
3 bracket and the cover to absorb vibration.

1 8. The fixing assembly as claimed in claim 7, wherein the  
2 mounting bracket including a face and two flanges extending from  
3 each end of the face and the cover including a front plate, two  
4 side plates and a bottom plate, the front plate connecting to  
5 the bottom plate forming an L shape, and the side plates disposed  
6 at opposing ends of the bottom plate to connect the front plate  
7 and the bottom plate.

1 9. The fixing assembly as claimed in claim 8, wherein the  
2 elastic member is disposed between the face and the front plate.

1 10. The fixing assembly as claimed in claim 8, wherein the  
2 elastic member is disposed between each flange and side plate.

1 11. The fixing assembly as claimed in claim 8, wherein the  
2 elastic member is disposed between the hard disk drive and the  
3 bottom plate.

1 12. An electronic device, comprising:  
2 a housing;  
3 a main board disposed in the housing and having a first  
4 connector;  
5 a hard disk drive having a second connector connected to  
6 the first connector; and

7 a fixing assembly for connecting and fixing the hard drive  
8 to the electronic device, comprising:  
9 a mounting bracket engaging the hard disk drive; and  
10 a cover flexibly connected to the mounting bracket and  
11 engaging the electronic device.

1 13. The device as claimed in claim 12, wherein the  
2 mounting bracket comprises a first engaging portion  
3 and the cover comprises a second engaging portion  
4 flexibly connected to the first engaging portion.

1 14. The device as claimed in claim 13, wherein the first  
2 engaging portion is a hook and the second engaging  
3 portion is a groove, and the hook engages the groove  
4 to prevent the hard drive from moving along an X axis.

1 15. The device as claimed in claim 14, wherein the width  
2 of the groove exceeds the width of the hook such that  
3 the hard drive can move a predetermined distance  
4 along a Y axis.

1 16. The device as claimed in claim 13, wherein the  
2 mounting bracket further comprises a first  
3 protrusion and the cover further comprises a second  
4 protrusion, and the second protrusion holds the first  
5 protrusion to limit the motion of the hard drive.

1 17. The device as claimed in claim 16, wherein the first  
2 protrusion is a nose and the second protrusion is an  
3 angled lock, the angled lock holds the nose to limit  
4 the motion of the hard drive along a Z axis, and a  
5 gap is formed between the nose and the angled lock  
6 such that the hard drive can move a predetermined  
7 distance along the Z axis.

1       18.   The device as claimed in claim 12, wherein the fixing  
2           assembly further comprises an elastic member  
3           disposed between the mounting bracket and the cover  
4           to absorb vibration.

1       19.   The device as claimed in claim 18, wherein the  
2           mounting bracket includes a face and two flanges  
3           extending from each end of the face and the cover  
4           including a front plate, two side plates and a bottom  
5           plate, the front plate connected to the bottom plate  
6           forming an L shape, and the side plates disposed at  
7           opposing ends of the bottom plate to connect the front  
8           plate and the bottom plate.

1       20.   The device as claimed in claim 19, wherein the elastic  
2           member is disposed between the face and the front plate.

1       21.   The device as claimed in claim 19, wherein the elastic  
2           member is disposed between each flange and side plate.

1       22.   The device as claimed in claim 19, wherein the elastic  
2           member is disposed between the hard disk drive and the bottom  
3           plate.